



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB 92700-10350-041

Job Sheet 190313



Part No: RB 92700-10350-041

Job Qty: 2 pcs

Part Name: Seal Remover Set



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/7/19

Job Tracking No: SIOP

Due Date: 3/15/19

Created By: Dara Macdonald

Type: Stock

Description:

Note: DWG RB 92700-10350-041 Rev. A IPP Rev. 3 18.10.09 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard	Workcenter/Supplier		Sign-off
					Setup Run Hrs Hrs	Workcenter / Supplier	Lead Time	
100	Small Fab - 1	2 pcs	3/15/19		0.00 0.00	Small Fab - 1		
						Small Fab - 2		
						Small Fab - 3		
						Small Fab - 4		
						Small Fab - 5		
						Small Fab - 6		
						Small Fab - 7		
110	Small Fab - 2 - B4B	2 pcs	3/15/19		0.00 2.00	Small Fab - 1 - B4B		
						Small Fab - 2 - B4B		
						Small Fab - 3 - B4B		
						Small Fab - 4 - B4B		
						Small Fab - 5 - B4B		
						Small Fab - 6 - B4B		
						Small Fab - 7 - B4B		
120	QC 5	2 pcs	3/15/19		0.00 0.00	QC 5 - 10		
						QC 5 - 12		
						QC 5 - 17		
						QC 5 - 18		
						QC 5 - 19		
						QC 5 - 22		
						QC 5 - 24		
						QC 5 - 3		
						QC 5 - 42		
						QC 5 - 43		
						QC 5 - 49		
						QC 5 - 51		
						QC 5 - 58		
						QC 5 - 68		
						QC 5 - 9		
						QC 5 - 50		
						QC 5 - 30		

Michael
XLOAD - 1-B4B AP 2019/03/13

DAS
40
9-89

MAR 18 2019

Plex 2/12/19 3:40 PM Dart.Hadley.Shannon



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S154817



Part: RB 92700-10350-041

Job No: 190313

Serial No/Batch: S154817

Revision: A

Inspector:

Exp Date:

Instructions:

Date: 02/19/19

130 Packaging 3-1 - Stock - B4B 2 pcs

3/15/19

0.00 0.00

Packaging 3 - 1 - B4B

Packaging 3 - 2 - B4B

Packaging 3 - 3 - B4B

Packaging 3 - 4 - B4B

Packaging 3 - 5 - B4B

Packaging 3 - 6 - B4B

Packaging 3 - 7 - B4B

Packaging 3 - 8 - B4B

Packaging 3 - 9 - B4B

Packaging 3 - 10 - B4B

Packaging 3 - 11 - B4B

Packaging 3 - 12 - B4B

Packaging 3 - 13 - B4B

Packaging 3 - 14 - B4B

Packaging 3 - 15 - B4B

Packaging 3 - 16 - B4B

Packaging 3 - 17 - B4B

Packaging 3 - 18 - B4B

Packaging 3 - 19 - B4B

Packaging 3 - 20 - B4B

Packaging 3 - 21 - B4B

Packaging 3 - 22 - B4B

Packaging 3 - 23 - B4B

Packaging 3 - 24 - B4B

Packaging 3 - 25 - B4B

Packaging 3 - 26 - B4B

Packaging 3 - 27 - B4B

Packaging 3 - 28 - B4B

Packaging 3 - 29 - B4B

Packaging 3 - 30 - B4B

Packaging 3 - 31 - B4B

Packaging 3 - 32 - B4B

Packaging 3 - 33 - B4B

Packaging 3 - 34 - B4B

Packaging 3 - 35 - B4B

Packaging 3 - 36 - B4B

DAS
28
9-89

140 QC 21 - FG

2 pcs

3/15/19

0.00 0.00

QC 21 - FG - 21

QC 21 - FG - 70

QC 21 - SA - 53

MAR 18 2019

GA

Part Op **100** - Small Fab - 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into Pelican case APP-IM2200-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue placard RB 92700-10350-041-4 to RB 92700-10350-041-3 foam as per DWG. 6-Glue foam to case and pack case as per DWG. 7-Hardware must be packaged with a desiccant bag into a tight fitting sealed plastic bag as per DWG. note 11.

110 - Small Fab - 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into Pelican case APP-IM2200-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue placard RB 92700-10350-041-4 to RB 92700-10350-041-3 foam as per DWG. 6-Glue foam to case and pack case as per DWG. 7-Hardware must be packaged with a desiccant bag into a tight fitting sealed plastic bag as per DWG. note 11.

120 - QC5- Inspect part completeness to step on W/O

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
APP-IM2200-E	Case	2 Ea (1 ea)	100-Small Fab - 1	
97524A032	Sealing Blind Rivet	8 Ea (4 ea)	110-Small Fab - 2 - B4B	
RB 92700-10350-041-2	Bottom Foam use in case APP-IM2200-E	2 Ea (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10350-041-3	Top Foam use in case APP-IM2200-E	2 Ea (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10350-041-4	Content Placard	2 pcs (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10350-041-5-PO	Seal Remover Assembly	2 pcs (1 ea)	110-Small Fab - 2 - B4B	
RB 92700-10350-041-8	White Nylon Washer, 0.12" ID x 0.28" OD Color: white	200 Ea (100 ea)	110-Small Fab - 2 - B4B	
RB 92700-10350-041-9	Steel Hex Head Thread-Forming Screw #4-40 x 3/8" Long	200 Ea (100 ea)	110-Small Fab - 2 - B4B	
RB41011	Dart Tooling Placard, Aluminum	2 Ea (1 ea)	110-Small Fab - 2 - B4B	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Small Fab - 1	APP-IM2200-E	2	4	0
110-Small Fab - 2 - B4B	97524A032	8	514	0
	RB 92700-10350-041-2	2	3	0
	RB 92700-10350-041-3	2	3	0
	RB 92700-10350-041-4	2	7	0
	RB 92700-10350-041-5	2	2	0
	RB 92700-10350-041-8	200	400	0
	RB 92700-10350-041-9	200	273	0
	RB41011	2	416	0

Part Specifications

Specifications could not be found.

Plex 2/12/19 3:40 PM Dart.Hadley.Shannon



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Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Small Fab - 1	2 pcs	3/15/19		0.00	2.00	Small Fab - 1		
							Small Fab - 2		
							Small Fab - 3		
							Small Fab - 4		
							Small Fab - 5		
							Small Fab - 6		
							Small Fab - 7		
120	QC 5	2 pcs	3/15/19		0.00	0.00	QC 5 - 10		
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 42		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
130	Packaging 3-1 - Stock - B4B	2 pcs	3/15/19		0.00	0.00	Packaging 3 - 1 - B4B		
							Packaging 3 - 2 - B4B		
							Packaging 3 - 3 - B4B		
							Packaging 3 - 4 - B4B		
							Packaging 3 - 5 - B4B		
							Packaging 3 - 6 - B4B		

				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
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				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
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				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140	QC 21 - FG	2 pcs	3/15/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70
					QC 21 - SA - 53

Part Op 110 - Small Fab - 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into
 Descriptions: Pelican case APP-IM2200-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue
 placard RB 92700-10350-041-4 to RB 92700-10350-041-3 foam as per DWG. 6-Glue foam to case and pack case as per
 DWG. 7-Hardware must be packaged with a desiccant bag into a tight fitting sealed plastic bag as per DWG. note 11.

120 - QC5- Inspect part completeness to step on W/O

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
97524A032	Sealing Blind Rivet	8 Ea (4 ea)	110-Small Fab - 1	5145165
APP-IM2200-E	Case	2 Ea (1 ea)	110-Small Fab - 1	51308030
RB 92700-10350-041-2	Bottom Foam use in case APP-IM2200-E	2 Ea (1 ea)	110-Small Fab - 1	51308050
RB 92700-10350-041-3	Top Foam use in case APP-IM2200-E	2 Ea (1 ea)	110-Small Fab - 1	51308040
RB 92700-10350-041-4	Content Placard	2 pcs (1 ea)	110-Small Fab - 1	5138100
RB 92700-10350-041-5	Seal Remover Assembly	2 pcs (1 ea)	110-Small Fab - 1	5139917
RB 92700-10350-041-8	White Nylon Washer, 0.12" ID x 0.28" OD Color: white	200 Ea (100 ea)	110-Small Fab - 1	5157397
RB 92700-10350-041-9	Steel Hex Head Thread-Forming Screw #4-40 x 3/8" Long	200 Ea (100 ea)	110-Small Fab - 1	5118127
RB41011	Dart Tooling Placard, Aluminum	2 Ea (1 ea)	110-Small Fab - 1	5021040

Job Allocations

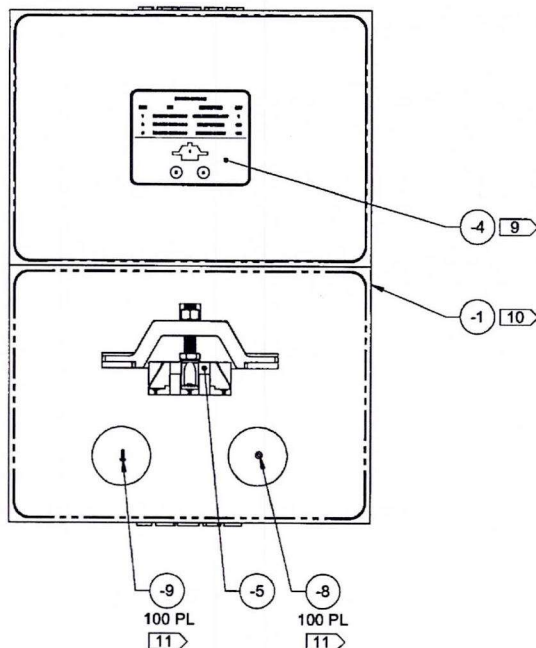
Operation	Component Part	Required	Inventory	Allocated
110-Small Fab - 1	97524A032	8	526	0
	APP-IM2200-E	2	4	0
	RB 92700-10350-041-2	2	3	0
	RB 92700-10350-041-3	2	3	0
	RB 92700-10350-041-4	2	7	0
	RB 92700-10350-041-5	2	0	0
	RB 92700-10350-041-8	200	400	0
	RB 92700-10350-041-9	200	273	0
	RB41011	2	423	0

Part Specifications

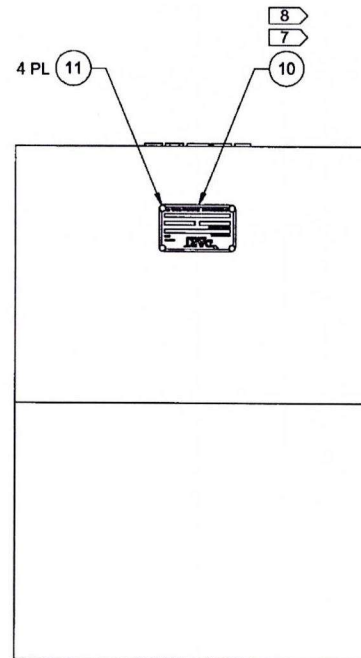
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Plex 2/7/19 8:42 AM Dart.Macdonald.Dara

ITEM #	QTY	PART #	PART TITLE
-1	1	RB 92700-10350-041-1	PACKAGING ASSY
-4	1	RB 92700-10350-041-4	CONTENT PLACARD
-5	1	RB 92700-10350-041-5	SEAL REMOVER ASSY
-8	100	RB 92700-10350-041-8	WHITE NYLON WASHER 0.12" ID x 0.28" OD.
-9	100	RB 92700-10350-041-9	STEEL HEX HEAD THREAD-FORMING SCREW #4-40 x 3/8" LG.
10	1	RB41011	DART PLACARD
11	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. x 0.425" LG.



RB 92700-10350-041 SEAL REMOVER SET

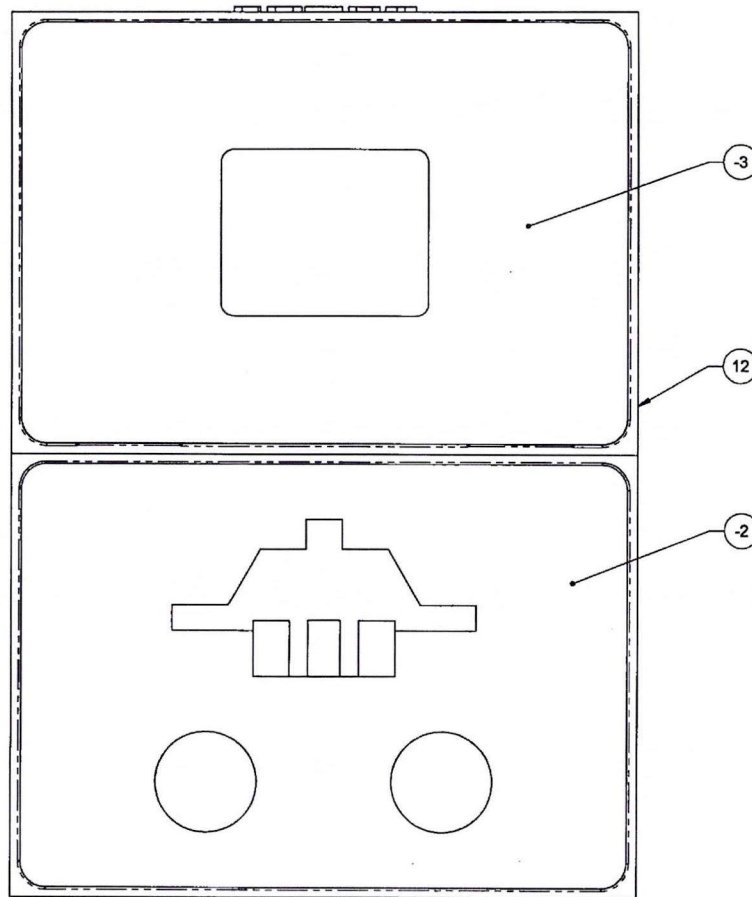


NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: ENGRAVE THE TOOL P/N & S/N ON THE DART PLACARD WHERE INDICATED
- 8) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINIUM POP RIVETS
- 9) HOT GLUE THE PLASTIC PLACARD ONTO THE TOP FOAM
- 10) HOT GLUE THE TOP AND BOTTOM FOAM INTO THE CASE
- 11) HARDWARE MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

A	NEW ISSUE	18-642	KT
REV.	DESCRIPTION	ECN #	BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 1 OF 10
APPROVED	W	TITLE	SCALE
DATE 9/6/2018		SEAL REMOVER SET	NTS
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ITEM #	QTY	PART #	PART TITLE
-2	1	RB 92700-10350-041-2	BOTTOM FOAM
-3	1	RB 92700-10350-041-3	TOP FOAM
12	1	PELICAN #APP-IM2200-E	PELICAN CASE IM2200



RB 92700-10350-041-1 PACKAGING ASSY

NOTES:

- 1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A

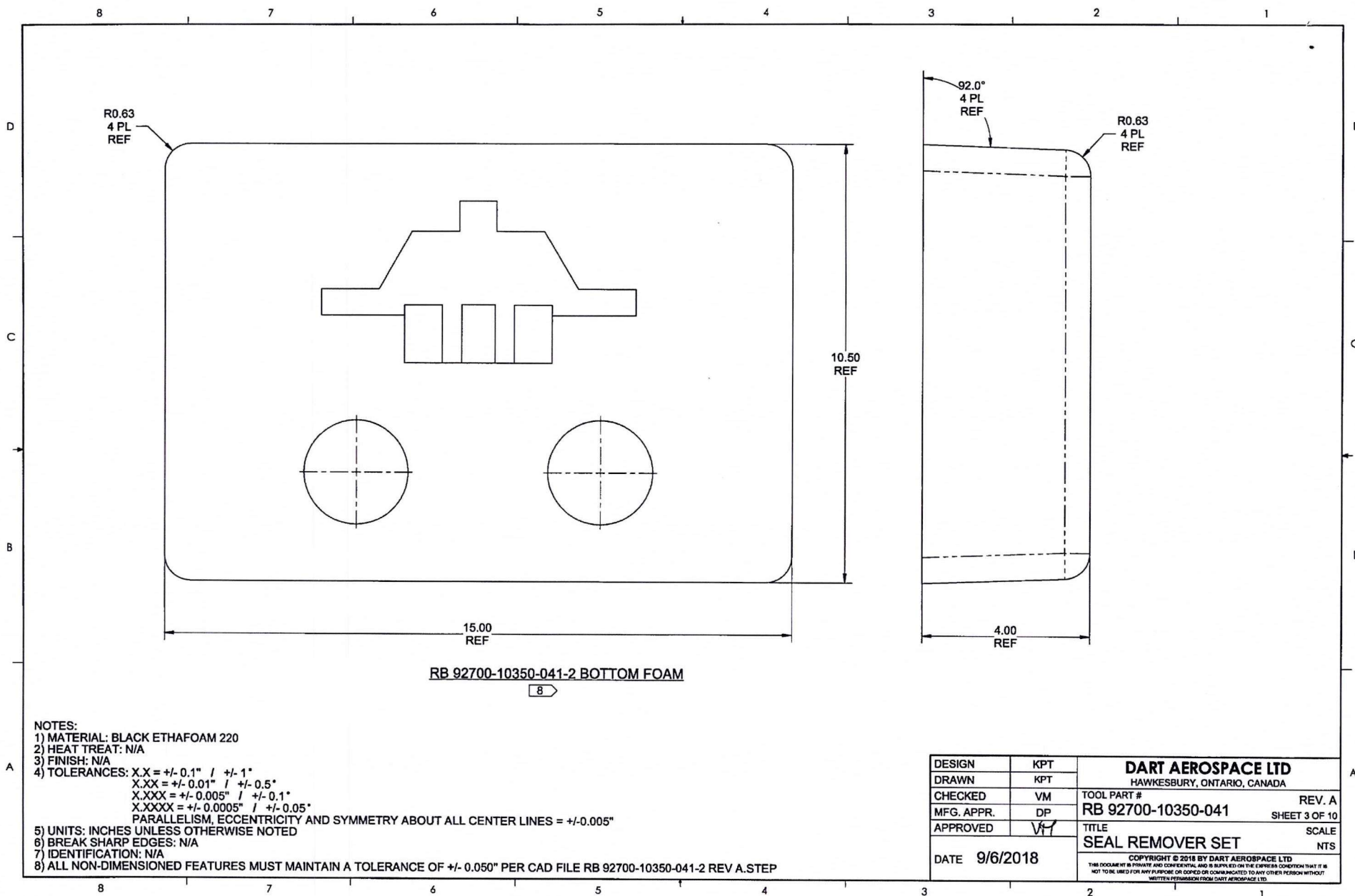
4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1"$
X.XX = $\pm 0.01"$ / $\pm 0.5"$
X.XXX = $\pm 0.005"$ / $\pm 0.1"$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05"$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$

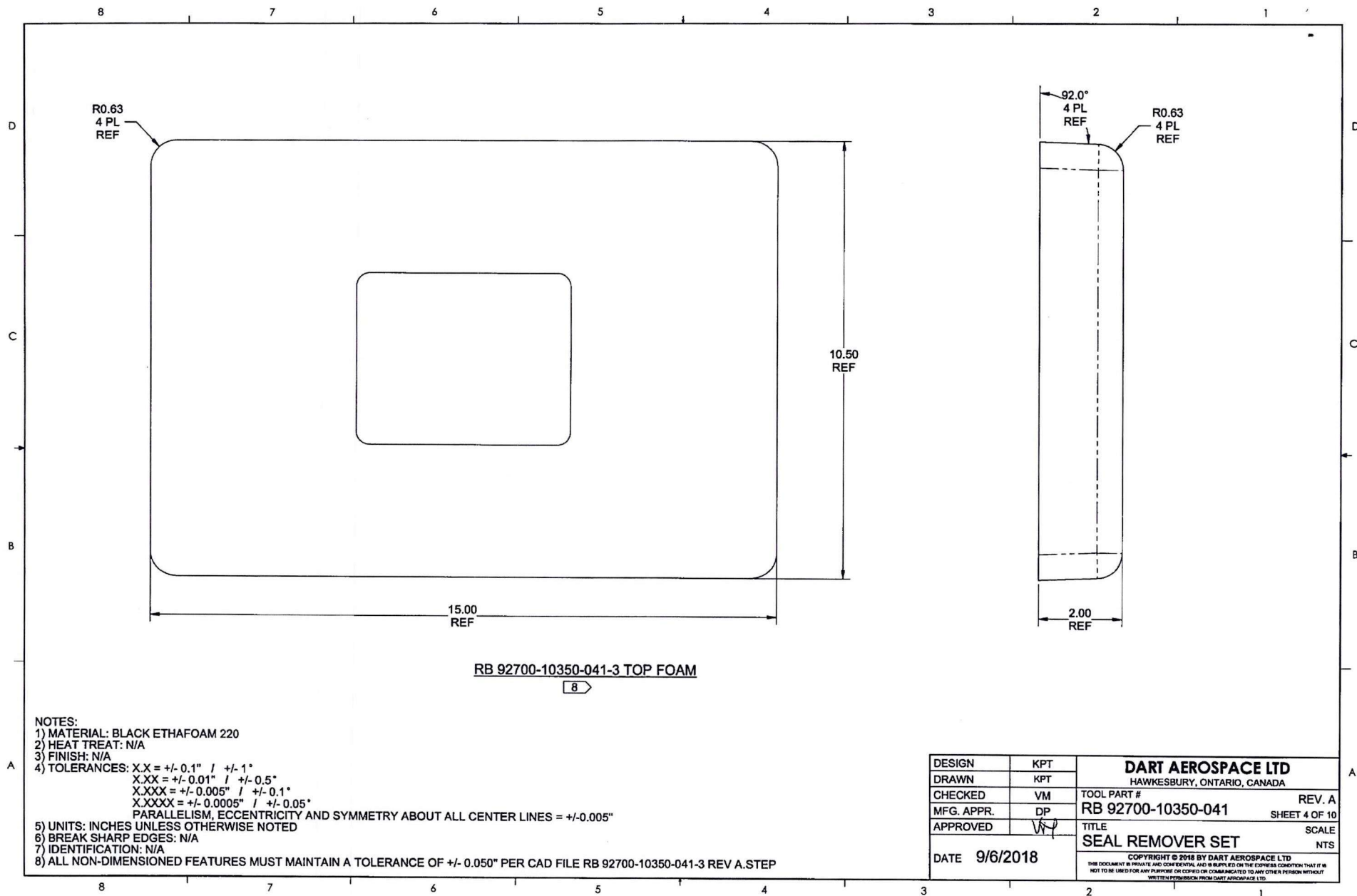
5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 2 OF 10
APPROVED	VP	TITLE	SCALE
DATE 9/6/2018		SEAL REMOVER SET	NTS
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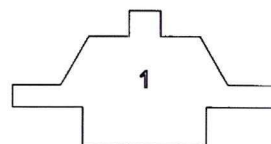
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RB 92700-10350-041

ITEM	P/N	DESCRIPTION	QTY
1	RB 92700-10350-041-5	SEAL REMOVER ASSY	1
2	RB 92700-10350-041-8	NYLON WASHER	100
3	RB 92700-10350-041-9	HEX HEAD SCREW	100

4.00



5.00

RB 92700-10350-041-4 CONTENT PLACARD

NOTES:

1) MATERIAL: MULTI-CRAFT PLASTICS # LM922402 OR EQUIV

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

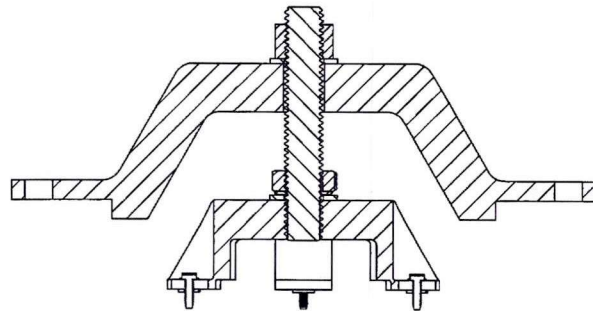
6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

8) BLACK BACKGROUND WITH WHITE LETTERS AND LINES

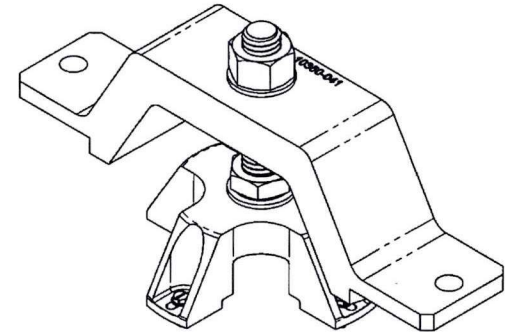
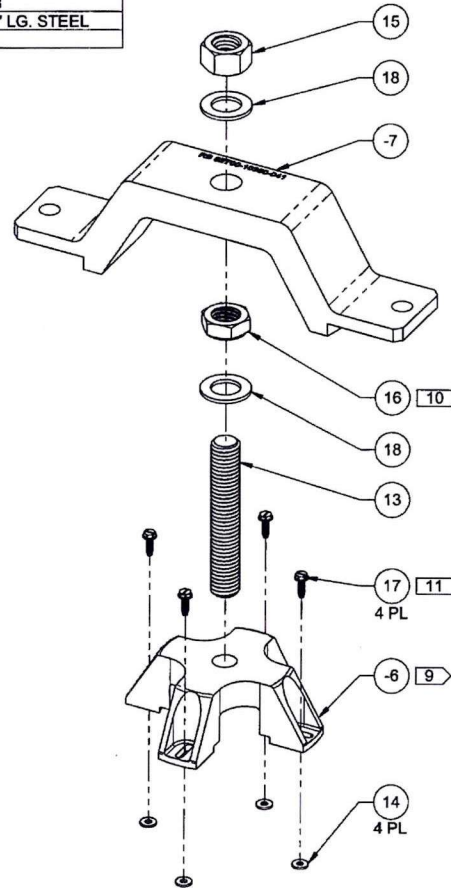
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 5 OF 10
APPROVED	VP	TITLE	SCALE
DATE	9/6/2018	SEAL REMOVER SET	NTS
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ITEM #	QTY	PART #	PART TITLE
-6	1	RB 92700-10350-041-6	SEAL REMOVER
-7	1	RB 92700-10350-041-7	SEAL REMOVER BASE
13	1	McMaster#98758A516 OR EQUIV	STEEL THREADED ROD 1/2"-13 x 3-1/2", L.G.
14	4	McMaster#90295A362 OR EQUIV.	WASHER 0.12" ID. X 0.28" OD. NYLON PLASTIC
15	1	McMaster#94895A823 OR EQUIV	STEEL GRADE 8 HEX NUT 1/2"-13
16	1	McMaster#94945A224 OR EQUIV	STEEL GRADE 8 THIN LOCKNUT 1/2"-13
17	4	McMaster#93882A108 OR EQUIV.	HEX HEAD THREAD-FORMING SCREW #4-40 X 3/8" L.G. STEEL
18	2	NAS1149F0863P	WASHER



RB 92700-10350-041-5 SEAL REMOVER ASSY

12



NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

- X.XX = +/- 0.01" / +/- 0.5°
- X.XXX = +/- 0.005" / +/- 0.1°
- X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ASSEMBLE AS SHOWN
- 9) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM -6 THEN ASSEMBLE WITH ITEM 13 AND REMOVE EXCESS
- 10) INSTALL ITEM 16 WITH A TORQUE OF 37-50 IN-LBS AS SHOWN
- 11) INSTALL ITEM 17 HAND TIGHT
- 12) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 6 OF 10
APPROVED	VP	TITLE	SCALE
		SEAL REMOVER SET	NTS
DATE	9/6/2018	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

D

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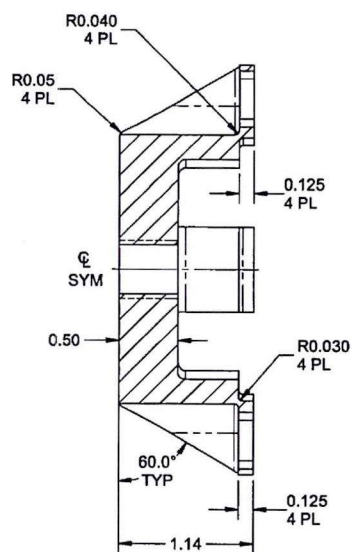
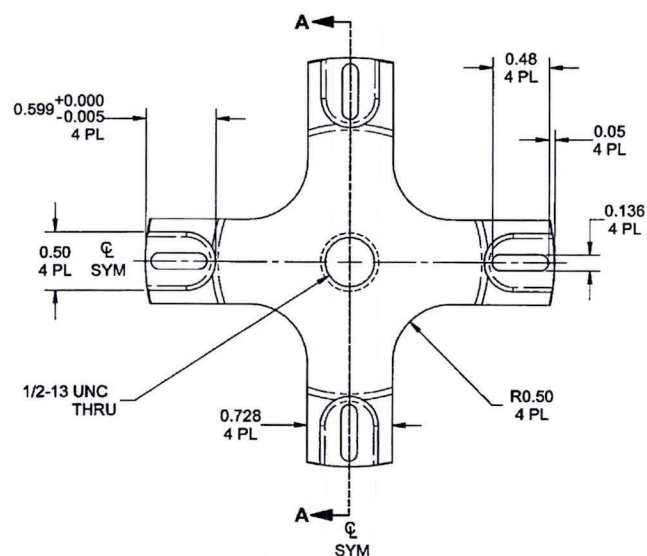
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D

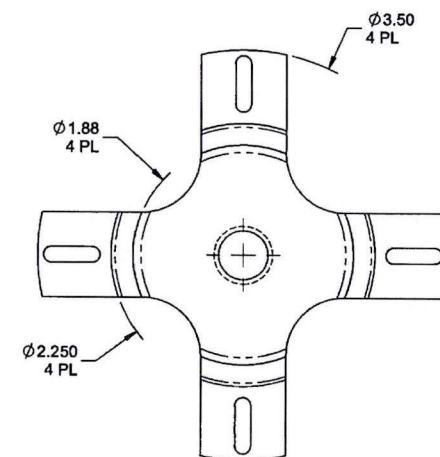
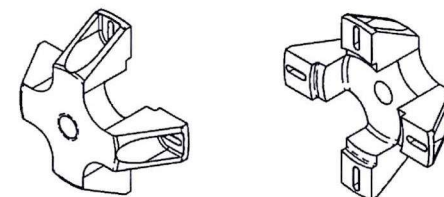
C

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A



SECTION A-A



RB 92700-10350-041-6 SEAL REMOVER

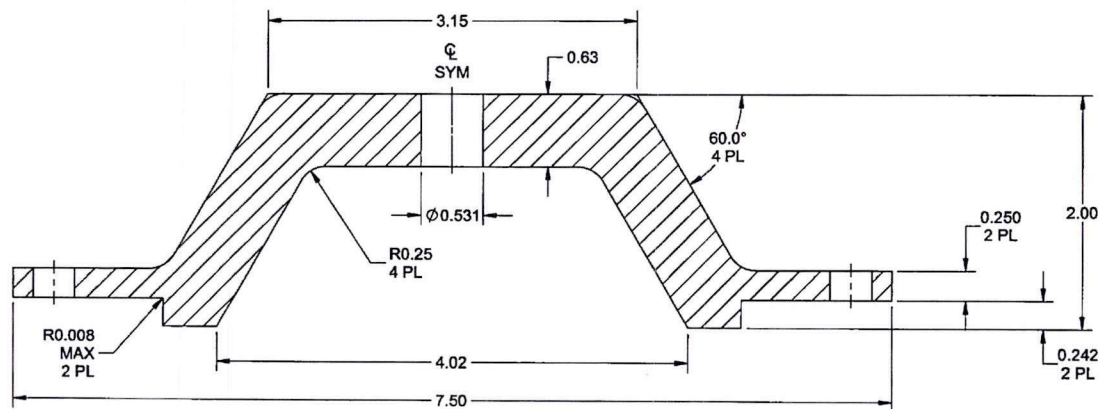
8

NOTES:

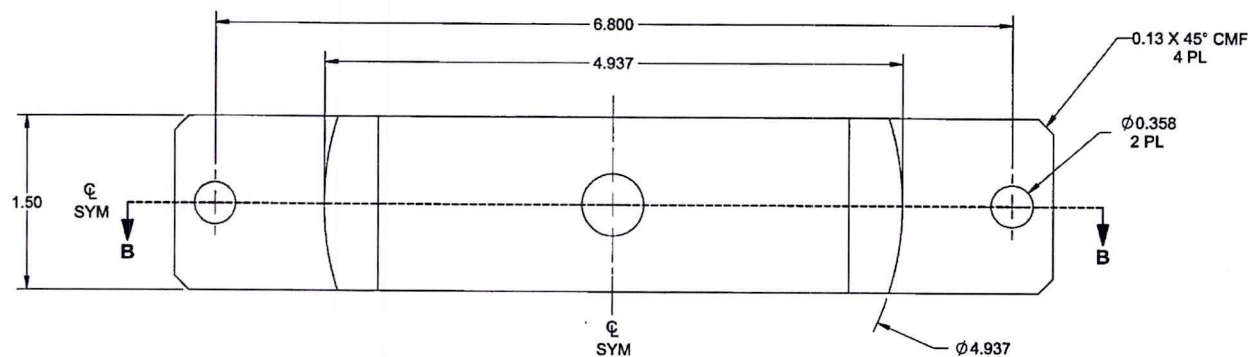
- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1"
X.XX = +/- 0.01" / +/- 0.5"
X.XXX = +/- 0.005" / +/- 0.1"
X.XXXX = +/- 0.0005" / +/- 0.05"
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RB 92700-10350-041-6 REV A.STEP

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 7 OF 10
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DATE	9/6/2018	SEAL REMOVER SET	NTS
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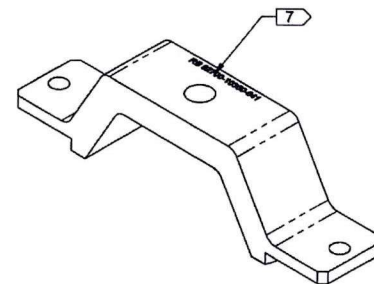
8 7 6 5 4 3 2 1



SECTION B-B



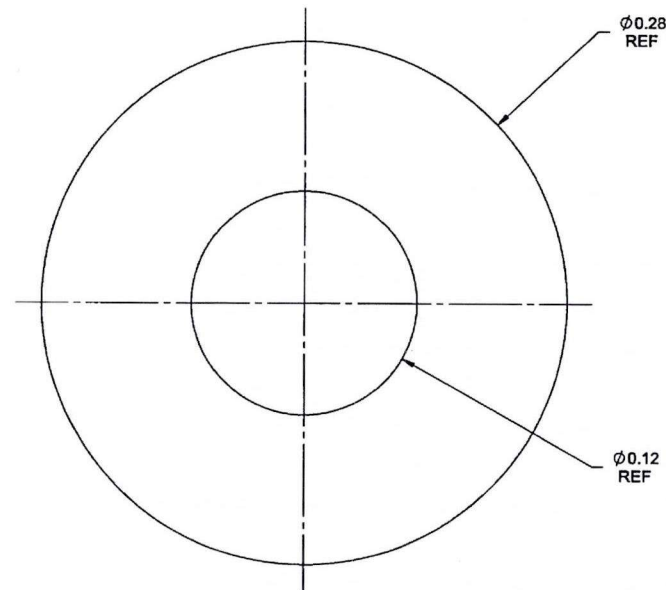
RB 92700-10350-041-7 SEAL REMOVER BASE



NOTES:

- 1) MATERIAL: 6061-T6 / 7075-T6
- 2) HEAT TREAT: N/A
- 3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X = ± 0.1 / ± 1
 X.XX = ± 0.01 / ± 0.5
 X.XXX = ± 0.005 / ± 0.1
 X.XXXX = ± 0.0005 / ± 0.05
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = ± 0.005
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N AS SHOWN

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 8 OF 10
APPROVED	VP	TITLE	SCALE
DATE 9/6/2018		SEAL REMOVER SET	NTS
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RB 92700-10350-041-8 WHITE NYLON WASHER 0.12" ID x 0.28" OD.

NOTES:

1) MATERIAL: McMaster#90295A362 OR EQUIV

2) HEAT TREAT: N/A

3) FINISH: N/A

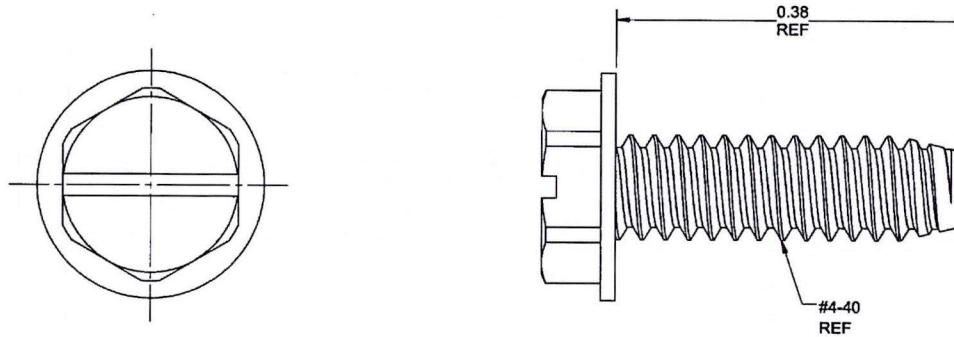
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
 X.XX = +/- 0.01" / +/- 0.5°
 X.XXX = +/- 0.005" / +/- 0.1°
 X.XXXX = +/- 0.0005" / +/- 0.05°
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 9 OF 10
APPROVED	VP	TITLE	SCALE
DATE 9/6/2018		SEAL REMOVER SET	NTS
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RB 92700-10350-041-9 STEEL HEX HEAD THREAD-FORMING SCREW #4-40 x 3/8" LG.

NOTES:

1) MATERIAL: McMaster#93882A108 OR EQUIV

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KPT		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10350-041	SHEET 10 OF 10
APPROVED	W	TITLE	SCALE
DATE 9/6/2018		SEAL REMOVER SET	NTS
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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QS1042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					